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1636

#6

PAGE: 1 APR 27 2000

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/430,590

DATE: 04/19/2000
TIME: 10:20:42

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Input Set: I430590.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: POULTER, Russell
2 LUYTEN, Walter
3 DE BACKER, Marianne
4 NELISSEN, Bart
5 <120> TITLE OF INVENTION: UNUSUAL RETROTRANSPONSON FROM THE YEAST CANDIDA ALBICANS
6 <130> FILE REFERENCE: 674521-2001.1
7 <140> CURRENT APPLICATION NUMBER: US/09/430,590
8 <141> CURRENT FILING DATE: 1999-10-29
9 <150> EARLIER APPLICATION NUMBER: 60/106,342
10 <151> EARLIER FILING DATE: 1998-10-30
11 <160> NUMBER OF SEQ ID NOS: 77
12 <170> SOFTWARE: PatentIn Ver. 2.1
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14 <211> LENGTH: 1309
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16 <213> ORGANISM: Candida albicans
17 <220> FEATURE:
18 <221> NAME/KEY: variation
19 <222> LOCATION: (1)..(1309)
20 <223> OTHER INFORMATION: N stands for any nucleotide
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25 aacataaaac tagacgtcca aatattttatt tattttattta ttgatataata ttcttattta 240
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27 gtagaaatct tttgcttctt caatttgtat tttcaattct ttgtatttat gttctttgtc 360
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38 ttccgtgtat acaaacactt attgccaaat tatggtgcgg aactttattt gtctgaacca 1020
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42 caactatgac gtttttagac cttcattcac ccagttttg gtcaatacat tcttagtaca 1260
43 tcttgatta gctacgaaaa acccagatga cactttcact tttgacata 1309
44 <210> SEQ ID NO 2

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1636

PAGE: 2

APR 27 2000

RAW SEQUENCE LISTING

DATE: 04/19/2000

PATENT APPLICATION US/09/430,590

TIME: 10:20:42

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51 <223> OTHER INFORMATION: N stands for any nucleotide
52 <400> SEQUENCE: 2

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57 atttaggtct catgacagaa tatgtgagat aaaatgtcca cgtaagcaaa actgggtgat 300
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77 <211> LENGTH: 556
78 <212> TYPE: DNA
79 <213> ORGANISM: Candida albicans
80 <400> SEQUENCE: 3

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83 ggcgtaaact tcattcactc tgttttttgc ttattacaaa ttatcaccta tcgtgtacta 180
84 ggactaattc tcacgaatat tccgtgtata caaacattat acgtgtctgt aactacgcga 240
85 aactacttcg tctcagtttt ttgttacaaa caactttccg tatagacctg agattttgtc 300
86 agcttgattg aatggaagag tttactaaaag taccagaaaag gtgttttata gataacatgt 360
87 agatatataa aaatgttata ttacaaatga cttccaaaag aaactgtacg aattttgctg 420
88 tttattaaaa accagttcct gaaaactagt atcttagctt cagtacattt agcccaccta 480
89 aattggacct atgacaagtt ctactttccc gacaatgcta atatagagca gtttcttctt 540
90 cttcttcttc ctcgctc 556

91 <210> SEQ ID NO 4
92 <211> LENGTH: 2112
93 <212> TYPE: DNA
94 <213> ORGANISM: Candida albicans

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/430,590

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TIME: 10:20:42

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98 ccaattatta tcatcacctg cggaggttag tcaatttgag attgtgagag ggaaaaaaaa 180
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100 cctagccgga atgcacgaca atcctgagac ggaagtcgat cgtcgatgcc catggtgcgt 300
101 ggtgaaaaat tttcttagaa aatttgttct ttccttcaac tgctttgaag agagggaggt 360
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103 aaatacaaaa tcaagatata attatatacc ttacttgtct atattgtttt ataatacatt 480
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107 ttttttttag aagaggttga taagccaaca gatgaggagt aacaagtaac tcgcaacatt 720
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109 actcaatcat tgaaaaaacg agcttaatga gtagacggtc tgttcatatg aaacaattga 840
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129 ggttcactat atcgtgtaac aagaaatttc tataccaaat aaacagcact tgattgaact 2040
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133 <211> LENGTH: 3742

134 <212> TYPE: DNA

135 <213> ORGANISM: Candida albicans

136 <400> SEQUENCE: 5

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139 atcagcatac atggccccga aaactacttt accgtgtcgc tttaaccccc ccttccctaa 180
140 aacgagacaa ttagacatac attccacaat tatcataatc cctttttttt tccttacaaa 240
141 acactttatt ttgtcgtttt tcgttatttg cttcgacgac attgtaaact ctttggtatt 300
142 gcagtagtag tgctcctggg gtaagggtggg tttggttgta gagtaaaaga aacgacaatt 360
143 gattacacct cgatatgcat acgcatggca aagagaatac cgagttaata gtgagtcctat 420
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PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/430,590

DATE: 04/19/2000
TIME: 10:20:42

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148	aacaatacat	acaaatttgg	aaacgagcaa	atcgagaaaa	tttcaatccg	tttagcaagt	720
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150	caaaacccaa	gcctcaattt	taatttactc	tgtgtggtac	aaaatacatt	agagaggatc	840
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153	taaagcaata	tgagagagca	tctaaatcaa	taatgtcaac	acaatattaa	actttgagaa	1020
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PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/430,590

DATE: 04/19/2000
TIME: 10:20:42

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197 tattgtatat atattattaa tgttatatta cactattgtt tgtttgttt ttataattat 3660
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200 <210> SEQ ID NO 6
201 <211> LENGTH: 1438
202 <212> TYPE: DNA
203 <213> ORGANISM: Candida albicans
204 <220> FEATURE:
205 <221> NAME/KEY: variation
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207 <223> OTHER INFORMATION: N stands for any nucleotide
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211 atgcacgaca atcctgagac ggaagtcgat cgtcgatgcc catggtgctt ggtgaaaaat 180
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234 <211> LENGTH: 1304
235 <212> TYPE: DNA
236 <213> ORGANISM: Candida albicans
237 <400> SEQUENCE: 7

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240 ggagaaaaat cttttaacag acattgtata aacgttgaag attaaagaaa aaaaaaacag 180
241 aaagattacg aataatttgt ttttaattgg tgggtatgag gtgttgcgca gtcgactcaa 240
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244 acatattcaa ttgtgtgttt taattgaaaa tttgttcact tcatctgat gattgtgtaa 420

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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54	W "N" or "Xaa" used: Feature required	agaacattag ttttgggtcca acattgctgt atgatggg
55	W "N" or "Xaa" used: Feature required	atgatgggtc aatgattnat tttaggttta tatgtgga
56	W "N" or "Xaa" used: Feature required	tcagatggaa tcgttatcag atttgttgaa caagagag
58	W "N" or "Xaa" used: Feature required	actntgaatt aagagatact cctaaataag caaaccaa
59	W "N" or "Xaa" used: Feature required	tatggtaaaa cgtgctttga gtnccaaatg atagatgc
60	W "N" or "Xaa" used: Feature required	gtcgcaaatg ctgaanacaa tttcactgag gttcgaaa
61	W "N" or "Xaa" used: Feature required	aaaaaattta taccaaaagg tggcttgga gttgctgat
62	W "N" or "Xaa" used: Feature required	tctgtggaaa attcgtttta gctcacantc ggaaaaata
69	W "N" or "Xaa" used: Feature required	actncattac tntgtttttt gcttattgca aataatcc
212	W "N" or "Xaa" used: Feature required	tntcttagaa aatttgttct ttccttcaac tgctttta
269	W "N" or "Xaa" used: Feature required	agcccaaaaa tggttttcct agnggaggat ggaatgga
271	W "N" or "Xaa" used: Feature required	tcctgctgct gaaagaattg gaaaagctct tttcagtn
327	W "N" or "Xaa" used: Feature required	aaagtggaag gatcgaatat attgctgata gagttaga
328	W "N" or "Xaa" used: Feature required	tgcgccacac ggggaattnt ttacagaaaa atggataa
461	W "N" or "Xaa" used: Feature required	Xaa Lys Thr Glu Val Ser Met Val Arg His T
561	W "N" or "Xaa" used: Feature required	tgntgaattc tgtgacgtgg aaggcgatgc tctgaatc
624	W "N" or "Xaa" used: Feature required	tcnaaatatt ctcaaaattc gacttcaccg tcttccaa
635	W "N" or "Xaa" used: Feature required	cccaatatca ttccaccat cgtcttcac gttgtcgt
659	W "N" or "Xaa" used: Feature required	atcaacgagg atagaanggg anggagtttc aattanaa
660	W "N" or "Xaa" used: Feature required	ttccgntcc taaattcnnn taataccnac caaacctt
661	W "N" or "Xaa" used: Feature required	caatcctcca ngggaaaaag aaaangtttt aataattt
681	W "N" or "Xaa" used: Feature required	ataccaacat cccagaatat taattatata gaanggaa
752	W "N" or "Xaa" used: Feature required	tacaactaat tcnacaagna aaccnacaa aaaaatcc
1131	W "N" or "Xaa" used: Feature required	cttaccaaat agcaatcatc atgatgtatt tactacta
1145	W "N" or "Xaa" used: Feature required	ntgaaagcac tacagtatag tatgtcagaa tcagatca
1148	W "N" or "Xaa" used: Feature required	acttttattg ggctcgaat agtggttaa atgggtcca
1149	W "N" or "Xaa" used: Feature required	ttatttcgat gatcnagccg gcctctgtga ttacggca
1193	W "N" or "Xaa" used: Feature required	atccaacaac aaccacaacna cgtttttccc caattctc
1194	W "N" or "Xaa" used: Feature required	aaatttttcc ntggccaaaa aatttccttt tc
1274	W "N" or "Xaa" used: Feature required	ggattagacg gttagaatgg gatttncaaa agcacaaa
1306	W "N" or "Xaa" used: Feature required	aggttcgaat tacgtgaatt ttggtttcac taatcacg
1331	W "N" or "Xaa" used: Feature required	tgtgagtttg gaaatctgat aatcccagaa attggatc
1373	W "N" or "Xaa" used: Feature required	nccatgatta gggaatattn taaccaaaaa attaaaat
1384	W "N" or "Xaa" used: Feature required	taaccatgga attcctngaa ttantnataa ttaaccaa
1385	W "N" or "Xaa" used: Feature required	ctaggattga attccatgtt tatttaataa ttaanccc
1442	W "N" or "Xaa" used: Feature required	caacaacctc aattcttaac caaatctacc cctcctat
1443	W "N" or "Xaa" used: Feature required	acatcttaca ctatcttttg ataggcttta tngaagan
1444	W "N" or "Xaa" used: Feature required	atctgcttaa cncatatatn tatntanngn nngtngtc
1445	W "N" or "Xaa" used: Feature required	tttttttggg nacnccngna acttcaggnc cacnnttt
1446	W "N" or "Xaa" used: Feature required	nggaaaacat ggggnattggg annacagctt tttttagg
1447	W "N" or "Xaa" used: Feature required	tggtgggctt ggaaagnaac agcntntaaa nnaatggg
1471	W "N" or "Xaa" used: Feature required	tatattgcgc acagggttaac tcccttaata tagttatt
1500	W "N" or "Xaa" used: Feature required	aaaannttcc ccatngccta ttcctaggnc ccaaaacc
1558	W "N" or "Xaa" used: Feature required	ttcaccaata agctctctca tatccatcna ataattac
1559	W "N" or "Xaa" used: Feature required	ttttgggnatt taaaccagtt ccttgggcag gtcaccag
2059	W "N" or "Xaa" used: Feature required	gcttaattga tgggaaaccc tagcttgcat tgaaggaa
530	W "N" or "Xaa" used: Feature required	cattttttgc ttgccnctgc taaaaaactt ttagaatc